

END MODIFIED THERMAL RESPONSIVE HYDROGELS

Abstract of the Invention

5 A pharmaceutical composition includes a pharmaceutically acceptable carrier,
comprising a reverse thermally viscosifying polymer. The polymer includes a linear block
copolymer, wherein at least one block comprises a poloxamer; and at least one block
comprises a biocompatible polymer or oligomer, in an aqueous medium. The composition also
includes an active agent which imparts a pharmaceutic or cosmetic effect. The composition
10 viscosifies in response to an environmental stimulus. The composition is suitable for
administration of the pharmaceutical agent across dermal, otic, rectal, vaginal, ophthalmic,
esophageal and nasal mucosal membranes.

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